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Claims

What is claimed is:

- 1. A one-pack primer sealer composition for sheeting molding compounds, containing a film forming binder and an organic liquid carrier, wherein the binder comprises:
- (a) from about 10-85% by weight, based on the weight of the binder, of a silane functional oligomer with a hydrolyzable group and at least one additional functional group (urea, urethane and/or hydroxyl) that is capable of reacting with (d);
- 10 (b) from about 0-70% by weight, based on the weight of binder, of low molecular weight polyol compound or polymer;
 - (c) from about 0-15% by weight, based on the weight of the binder, of a silane coupling agent; and
- (d) from about 15-90%, based on the weight of binder, of melamine formaldehyde crosslinking agent.
 - 2. The composition of claim 1 which further comprises a conductive pigment.
- 20 3. The composition of claim 2 wherein the conductive pigment is a mixture of graphite and carbon black.
 - 4. The composition of claim 1, wherein the silane functional oligomer is a urethane or urea.

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- 5. The composition of claim 4, wherein the oligomer is formed by first reacting an aminosilane monomer with a cyclic carbonate and then subsequently reacting the adduct formed with an isocyanate or polyisocyanate.
- The composition of claim 1, wherein the silane functional oligomer has a weight average molecular weight in the range from about 500-3,000.

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SMC automotive body panel.

| | The composition of claim 1, wherein the binder further comprises: (e) from about 0-10% of one or more dispersed particles with functional group (urea, urethane, silane or hydroxyl) capable of th (a) or (d). |
|---------------------|---|
| 8. ester water | The composition of claim 1 which further comprises an orthoacetate scavenger. |
| 9. by weight b | The composition of claim 1, wherein the composition is at least 50% inder solids. |
| 10. | A method of sealing a SMC substrate comprising: applying a layer of a coating composition of claim 1 onto an SMC |
| substrate; a | nd curing said layer into a sealed coating. |
| 11. composition | A plastic substrate coated with a dried and cured layer of the coating of claim 1. |
| 12. reinforced p | The coated substrate of claim 12, wherein the substrate is a thermoset plastic article. |

The coated substrate of claim 11, wherein the substrate is a molded